

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTASEL1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 JUL 02 LMedLINE coverage updated  
NEWS 3 JUL 02 SCISEARCH enhanced with complete author names  
NEWS 4 JUL 02 CHEMCATS accession numbers revised  
NEWS 5 JUL 02 CA/CAPLUS enhanced with utility model patents from China  
NEWS 6 JUL 16 CAPLUS enhanced with French and German abstracts  
NEWS 7 JUL 18 CA/CAPLUS patent coverage enhanced  
NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification  
NEWS 9 JUL 30 USGENE now available on STN  
NEWS 10 AUG 06 CAS REGISTRY enhanced with new experimental property tags  
NEWS 11 AUG 06 BEILSTEIN updated with new compounds  
NEWS 12 AUG 06 FSTA enhanced with new thesaurus edition  
NEWS 13 AUG 13 CA/CAPLUS enhanced with additional kind codes for granted patents  
NEWS 14 AUG 20 CA/CAPLUS enhanced with CAS indexing in pre-1907 records  
NEWS 15 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB  
NEWS 16 AUG 27 USPATOLD now available on STN  
NEWS 17 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data  
NEWS 18 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index  
NEWS 19 SEP 13 FORIS renamed to SOFIS  
NEWS 20 SEP 13 INPADOCDB enhanced with monthly SDI frequency  
NEWS 21 SEP 17 CA/CAPLUS enhanced with printed CA page images from 1967-1998  
NEWS 22 SEP 17 CAPLUS coverage extended to include traditional medicine patents  
NEWS 23 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements  
  
NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:13:31 ON 27 SEP 2007

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'CAPLUS' ENTERED AT 12:13:42 ON 27 SEP 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 27 Sep 2007 VOL 147 ISS 14

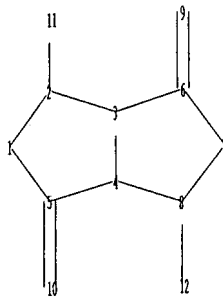
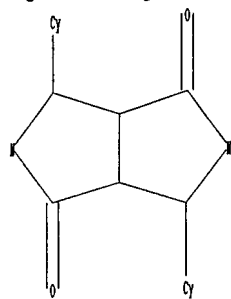
FILE LAST UPDATED: 26 Sep 2007 (20070926/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10522212.str



chain nodes :

9 10 11 12

ring nodes :

1 2 3 4 5 6 7 8

chain bonds :

2-11 5-10 6-9 8-12

ring bonds :

1-2 1-5 2-3 3-4 3-6 4-5 4-8 6-7 7-8

exact/norm bonds :

1-2 1-5 2-3 2-11 3-4 3-6 4-5 4-8 5-10 6-7 6-9 7-8 8-12

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:CLASS 10:CLASS

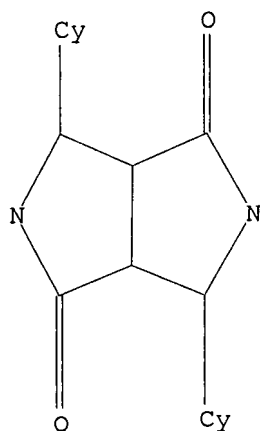
11:Atom 12:Atom

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 12:13:54 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1394 TO ITERATE

100.0% PROCESSED 1394 ITERATIONS

23 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 25641 TO 30119

PROJECTED ANSWERS: 173 TO 747

L2 23 SEA SSS SAM L1

L3 25 L2

=> s l1 full

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 12:13:58 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 27419 TO ITERATE

100.0% PROCESSED 27419 ITERATIONS  
SEARCH TIME: 00.00.02

534 ANSWERS

L4 534 SEA SSS FUL L1

L5 1079 L4

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.47

174.17

FILE 'CAPLUS' ENTERED AT 12:14:03 ON 27 SEP 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 27 Sep 2007 VOL 147 ISS 14

FILE LAST UPDATED: 26 Sep 2007 (20070926/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 15

L6 1079 L4

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.47

174.64

FILE 'REGISTRY' ENTERED AT 12:14:07 ON 27 SEP 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 26 SEP 2007 HIGHEST RN 948239-70-1

DICTIONARY FILE UPDATES: 26 SEP 2007 HIGHEST RN 948239-70-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

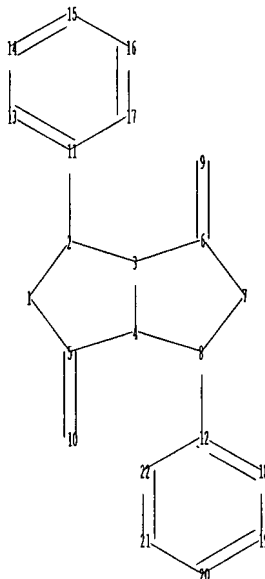
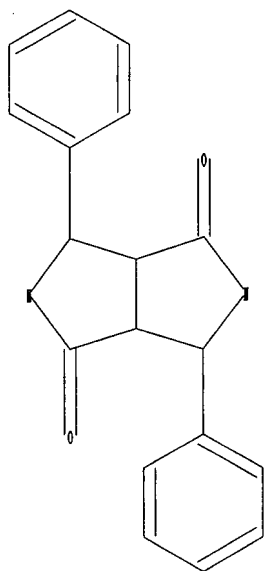
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10522212b.str



chain nodes :

9 10

ring nodes :

1 2 3 4 5 6 7 8 11 12 13 14 15 16 17 18 19 20 21 22

chain bonds :

2-11 5-10 6-9 8-12

ring bonds :

1-2 1-5 2-3 3-4 3-6 4-5 4-8 6-7 7-8 11-13 11-17 12-18 12-22 13-14

14-15 15-16 16-17 18-19 19-20 20-21 21-22

exact/norm bonds :

1-2 1-5 2-3 3-4 3-6 4-5 4-8 5-10 6-7 6-9 7-8

exact bonds :

2-11 8-12

normalized bonds :

11-13 11-17 12-18 12-22 13-14 14-15 15-16 16-17 18-19 19-20 20-21 21-22

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:CLASS 10:CLASS

11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom

20:Atom 21:Atom 22:Atom

L7 STRUCTURE UPLOADED

=> d

L7 HAS NO ANSWERS

L7 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s 17

SAMPLE SEARCH INITIATED 12:15:05 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 175 TO ITERATE

100.0% PROCESSED 175 ITERATIONS 18 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 2707 TO 4293  
PROJECTED ANSWERS: 106 TO 614

L8 18 SEA SSS SAM L7

=> s 17 full

FULL SEARCH INITIATED 12:15:09 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 3353 TO ITERATE

100.0% PROCESSED 3353 ITERATIONS 487 ANSWERS  
SEARCH TIME: 00.00.01

L9 487 SEA SSS FUL L7

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	172.55	347.19

FILE 'CAPLUS' ENTERED AT 12:15:12 ON 27 SEP 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 27 Sep 2007 VOL 147 ISS 14

FILE LAST UPDATED: 26 Sep 2007 (20070926/ED).

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 19

L10 1058 L9

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.47	347.66

FILE 'REGISTRY' ENTERED AT 12:15:22 ON 27 SEP 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 26 SEP 2007 HIGHEST RN 948239-70-1  
DICTIONARY FILE UPDATES: 26 SEP 2007 HIGHEST RN 948239-70-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

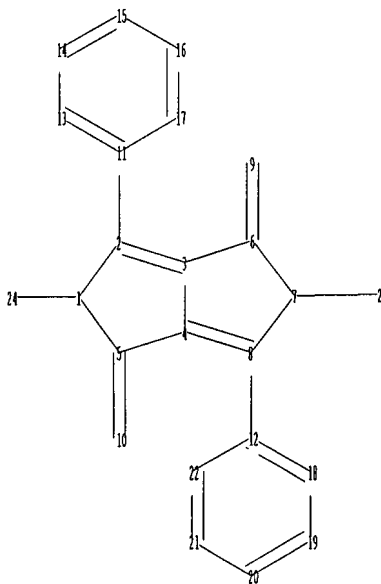
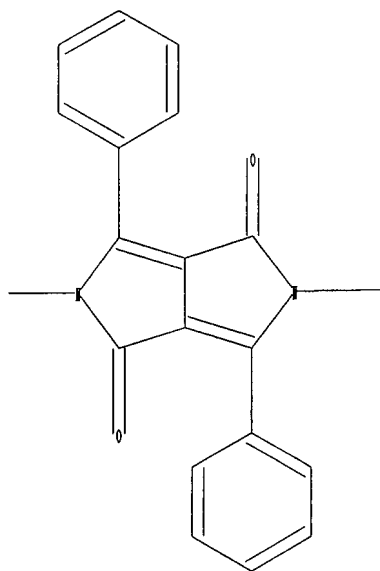
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10522212c.str



chain nodes :

9 10 23 24

ring nodes :

1 2 3 4 5 6 7 8 11 12 13 14 15 16 17 18 19 20 21 22

chain bonds :

1-24 2-11 5-10 6-9 7-23 8-12

ring bonds :

1-2 1-5 2-3 3-4 3-6 4-5 4-8 6-7 7-8 11-13 11-17 12-18 12-22 13-14  
14-15 15-16 16-17 18-19 19-20 20-21 21-22

exact/norm bonds :

1-2 1-5 1-24 2-3 3-4 3-6 4-5 4-8 5-10 6-7 6-9 7-8 7-23

exact bonds :

2-11 8-12

normalized bonds :

11-13 11-17 12-18 12-22 13-14 14-15 15-16 16-17 18-19 19-20 20-21 21-22

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:CLASS 10:CLASS  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom  
20:Atom 21:Atom 22:Atom 23:CLASS 24:CLASS

L11 STRUCTURE UPLOADED

=> d

L11 HAS NO ANSWERS

L11 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s l11

SAMPLE SEARCH INITIATED 12:17:00 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 105 TO ITERATE

100.0% PROCESSED 105 ITERATIONS

34 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 1486 TO 2714

PROJECTED ANSWERS: 331 TO 1029

L12 34 SEA SSS SAM L11

=> s l11 full

FULL SEARCH INITIATED 12:17:03 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1696 TO ITERATE

100.0% PROCESSED 1696 ITERATIONS

557 ANSWERS

SEARCH TIME: 00.00.01

L13 557 SEA SSS FUL L11

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

173.00

520.66

FILE 'CAPLUS' ENTERED AT 12:17:05 ON 27 SEP 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.



FILE COVERS 1907 - 27 Sep 2007 VOL 147 ISS 14  
FILE LAST UPDATED: 26 Sep 2007 (20070926/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.  
They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l13

L14 203 L13

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.47

521.13

FILE 'REGISTRY' ENTERED AT 12:17:10 ON 27 SEP 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 26 SEP 2007 HIGHEST RN 948239-70-1  
DICTIONARY FILE UPDATES: 26 SEP 2007 HIGHEST RN 948239-70-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

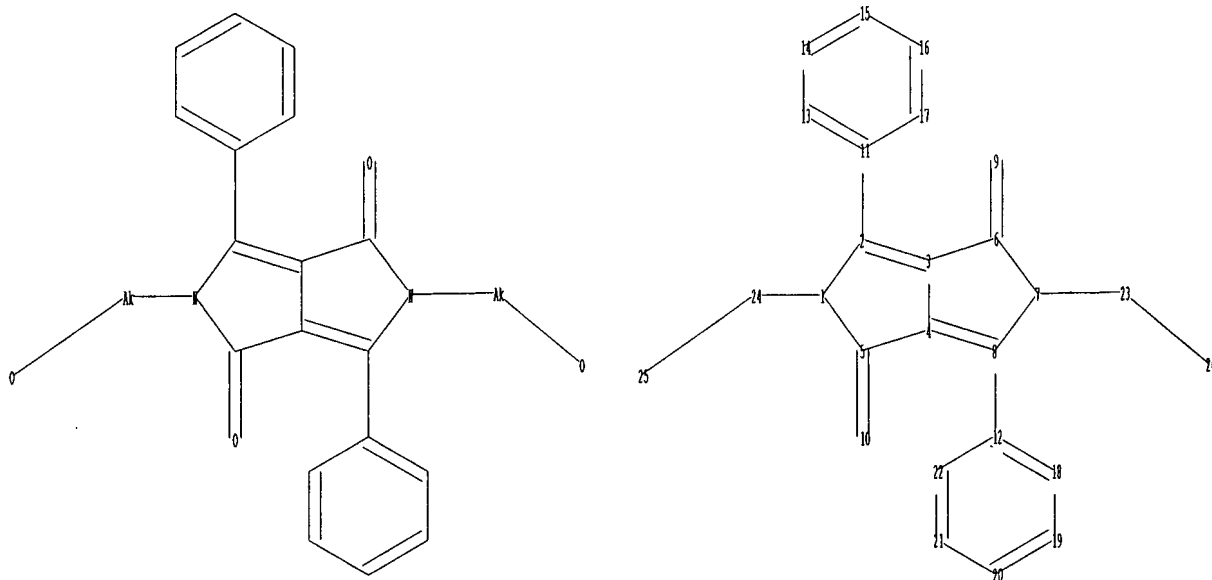
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10522212d.str



```

chain nodes :
9 10 23 24 25 26
ring nodes :
1 2 3 4 5 6 7 8 11 12 13 14 15 16 17 18 19 20 21 22
chain bonds :
1-24 2-11 5-10 6-9 7-23 8-12 23-26 24-25
ring bonds :
1-2 1-5 2-3 3-4 3-6 4-5 4-8 6-7 7-8 11-13 11-17 12-18 12-22 13-14
14-15 15-16 16-17 18-19 19-20 20-21 21-22
exact/norm bonds :
1-2 1-5 1-24 2-3 3-4 3-6 4-5 4-8 5-10 6-7 6-9 7-8 7-23 23-26 24-25
exact bonds :
2-11 8-12
normalized bonds :
11-13 11-17 12-18 12-22 13-14 14-15 15-16 16-17 18-19 19-20 20-21 21-22

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:CLASS 10:CLASS
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:CLASS 24:CLASS 25:CLASS 26:CLASS

```

L15 STRUCTURE UPLOADED

=> d

L15 HAS NO ANSWERS

L15 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s l15

SAMPLE SEARCH INITIATED 12:18:00 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 175 TO ITERATE

100.0% PROCESSED

175 ITERATIONS

6 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 2707 TO 4293  
PROJECTED ANSWERS: 6 TO 265

L16 6 SEA SSS SAM L15

=> s l15 full

FULL SEARCH INITIATED 12:18:03 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 3353 TO ITERATE

100.0% PROCESSED 3353 ITERATIONS 95 ANSWERS  
SEARCH TIME: 00.00.01

L17 95 SEA SSS FUL L15

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	172.55	693.68

FILE 'CAPLUS' ENTERED AT 12:18:05 ON 27 SEP 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 27 Sep 2007 VOL 147 ISS 14  
FILE LAST UPDATED: 26 Sep 2007 (20070926/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l17

L18 71 L17

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.47	694.15

FILE 'REGISTRY' ENTERED AT 12:18:11 ON 27 SEP 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 26 SEP 2007 HIGHEST RN 948239-70-1

DICTIONARY FILE UPDATES: 26 SEP 2007 HIGHEST RN .948239-70-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

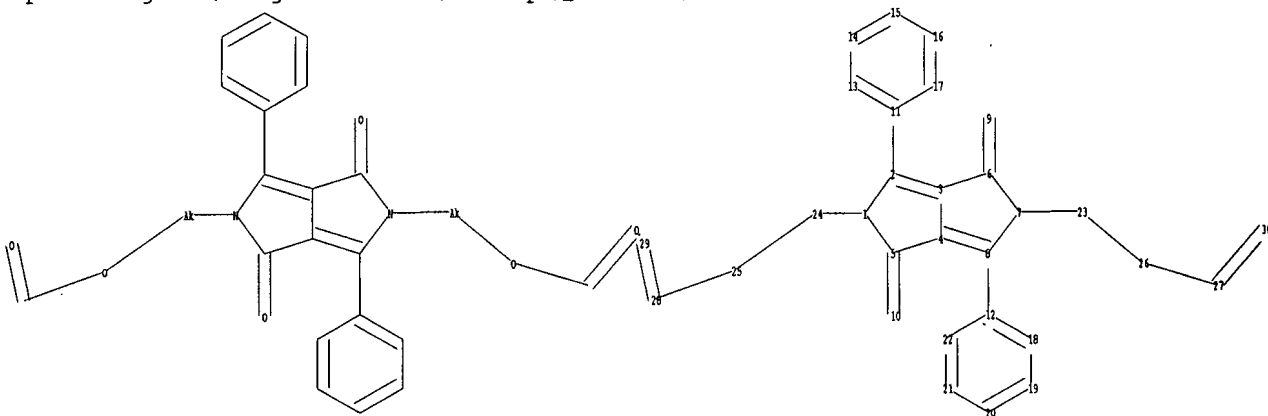
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10522212e.str



chain nodes :

9 10 23 24 25 26 27 28 29 30

ring nodes :

1 2 3 4 5 6 7 8 11 12 13 14 15 16 17 18 19 20 21 22

chain bonds :

1-24 2-11 5-10 6-9 7-23 8-12 23-26 24-25 25-28 26-27 27-30 28-29

ring bonds :

1-2 1-5 2-3 3-4 3-6 4-5 4-8 6-7 7-8 11-13 11-17 12-18 12-22 13-14  
14-15 15-16 16-17 18-19 19-20 20-21 21-22

exact/norm bonds :

1-2 1-5 1-24 2-3 3-4 3-6 4-5 4-8 5-10 6-7 6-9 7-8 7-23 23-26 24-25  
25-28 26-27 27-30 28-29

exact bonds :

2-11 8-12

normalized bonds :

11-13 11-17 12-18 12-22 13-14 14-15 15-16 16-17 18-19 19-20 20-21 21-22

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:CLASS 10:CLASS  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom  
20:Atom 21:Atom 22:Atom 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS  
28:CLASS 29:CLASS 30:CLASS

L19        STRUCTURE UPLOADED

=> d

L19 HAS NO ANSWERS

L19                STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -    AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s l19

SAMPLE SEARCH INITIATED 12:19:14 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED -                62 TO ITERATE

100.0% PROCESSED                62 ITERATIONS                0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:    ONLINE    \*\*COMPLETE\*\*  
                              BATCH    \*\*COMPLETE\*\*  
PROJECTED ITERATIONS:                768 TO        1712  
PROJECTED ANSWERS:                    0 TO            0

L20                0 SEA SSS SAM L19

=> s l19 full

FULL SEARCH INITIATED 12:19:17 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED -                1205 TO ITERATE

100.0% PROCESSED                1205 ITERATIONS                8 ANSWERS  
SEARCH TIME: 00.00.01

L21                8 SEA SSS FUL L19

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	172.55	866.70

FILE 'CAPLUS' ENTERED AT 12:19:20 ON 27 SEP 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 27 Sep 2007    VOL 147 ISS 14

FILE LAST UPDATED: 26 Sep 2007    (20070926/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l21

L22            6 L21

=> d ibib abs hitstr tot

ACCESSION NUMBER: 2004:80790 CAPLUS  
 DOCUMENT NUMBER: 140:129773  
 TITLE: Polymerizable diketopyrrolopyrroles, their use in color filters and polymers prepared from these compounds  
 INVENTOR(S): Adam, Jean-marie; De Keyser, Gerardus  
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.  
 SOURCE: PCT Int. Appl., 37 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004009710	A1	20040129	WO 2003-EP7638	20030715
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZW, ZY				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003257464	A1	20040209	AU 2003-257464	20030715
EP 1523528	A1	20050420	EP 2003-764989	20030715
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1668709	A	20050914	CN 2003-817203	20030715
JP 2005533839	T	20051110	JP 2004-522457	20030715
TW 269072	B	20061221	TW 2003-92119862	20030721
US 2005255391	A1	20051117	US 2005-522212	20050114
EP 2002-405640 A 20020722				
WO 2003-EP7638 W 20030715				

PRIORITY APPLN. INFO.:  
 OTHER SOURCE(S): MARPAT 140:129773

AB The invention relates to the preparation and use of polymerizable diketopyrrolopyrroles in color filters. In contrast to conventional pigments, the polymerizable diketopyrrolopyrroles do not tend to aggregate and, hence, show very good dispersibility. Color filters prepared by using the polymerizable diketopyrrolopyrroles have high transparency and pure hue. In an example, the N atoms of a diketopyrrolopyrrole were treated with 6-chlorohexanol to give the bis(6-hydroxyhexyl) derivative, which was then converted to the red dimethacrylate ester.

IT 649559-85-3P  
 RL: IMP (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (red dyes; production of polymerizable diketopyrrolopyrrole derivs. for color filters)

RN 649559-85-3 CAPLUS  
 CN 2-Propenoic acid, 2-methyl-, [3,6-bis[4-(dimethylamino)phenyl]-1,4-dioxopyrrolo[3,4-c]pyrrole-2,5(1H,4H)-diyl]di-6,1-hexanediyl ester (9CI) (CA INDEX NAME)

ACCESSION NUMBER: 2000:175844 CAPLUS  
 DOCUMENT NUMBER: 132:223867  
 TITLE: Light-stable chromophore system  
 INVENTOR(S): Eldin, Sameer  
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.  
 SOURCE: PCT Int. Appl., 70 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000014126	A1	20000316	WO 1999-EP6323	19990827
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9958560	A1	20000327	AU 1999-58560	19990827
CH 1998-1845 A 19980909				
WO 1999-EP6323 W 19990827				

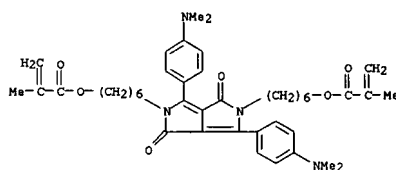
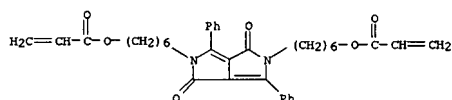
PRIORITY APPLN. INFO.:  
 AB The system contains the following in the order given: (a) a chromophore layer (i.e., a pigmented polymer layer or a layer of a polymer containing copolymer dye residues), (b) a light protection agent layer, (c) an oxygen barrier layer, and (d) optionally a polymer which forms a protective layer of varnish (i.e., a clearcoat). Such systems provide improved lightfastness of, e.g., automobile finishes or photog. prints. The a and b layers may comprise poly(vinyl alc.) etherified or esterified with a colorant and with a light stabilizer, resp.

IT 220254-30-8P, 2,5-Bis[6-(acryloyloxyhexyl)-2,5-dihydro-3,6-diphenylpyrrolo[3,4-c]pyrrole-1,4-dione-Laromer EA 81 copolymer  
 RL: IMP (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (colored layer; protection of colored layers against light and air)

RN 220254-30-8 CAPLUS  
 CN 2-Propenoic acid, [1,4-dioxo-3,6-diphenylpyrrolo[3,4-c]pyrrole-2,5(1H,4H)-diyl]di-6,1-hexanediyl ester, polymer with Laromer EA 81 (9CI) (CA INDEX NAME)

CH 1

CRN 194029-75-9  
 CMF C36 H40 N2 O6



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

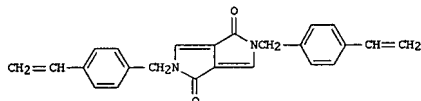
CH 2  
 CRN 109190-58-1  
 CMF Unspecified  
 CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:96032 CAPLUS  
DOCUMENT NUMBER: 130:168757  
TITLE: Polymerizable diketopyrrolopyrroles  
INVENTOR(S): Eldin, Sameer  
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.  
SOURCE: Eur. Pat. Appl., 28 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 894798	A1	19990203	EP 1998-810703	19980721
EP 894798	B1	20051109		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 5919944	A	19990706	US 1998-119434	19980720
CA 2244316	A1	19990130	CA 1998-2244316	19980728
TW 402602	B	20000821	TW 1998-87112321	19980728
JP 11092477	A	19990406	JP 1998-213628	19980729
US 6107491	A	20000822	US 1999-237640	19990126
PRIORITY APPLN. INFO.:				
OTHER SOURCE(S): MARPAT 130:168757				
GI				



AB The title compds., with specified structures and giving polymers resisting O and UV, are prepared by the reaction of diketopyrrolopyrroles containing NH groups with organic halides of specified structure in the presence of bases. Adding 0.150 mol 4-(chloromethyl)styrene over 30 min to 0.05 mol Pigment Red 3067E and 0.150 mol K2CO3 stirred in DMF containing hydroquinone at 120-125° and stirring at that temperature for 160 min gave 92.1% diketopyrrolopyrrole 1. Photopolymer. of the products with the monomer Laromer EA 81 is exemplified.

IT 194029-75-9P  
RL: IMF (Industrial manufacture); PREP (Preparation)  
(polymerizable diketopyrrolopyrroles)

RN 194029-75-9 CAPLUS  
CN 2-Propenoic acid, (1,4-dioxo-3,6-diphenylpyrrolo[3,4-c]pyrrole-2,5(1H,4H)-diyl)di-6,1-hexanediyl ester (9C1) (CA INDEX NAME)

L22 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:543130 CAPLUS  
DOCUMENT NUMBER: 129:195611  
TITLE: Fluorescent host-guest-system  
INVENTOR(S): Devlin, Brian Gerrard; Otani, Junji; Kunimoto, Kazuhiko; Iqbal, Abdul; Eldin, Sameer Hosam  
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.  
SOURCE: PCT Int. Appl., 81 pp.  
CODEN: PIKX02  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 6  
PATENT INFORMATION:

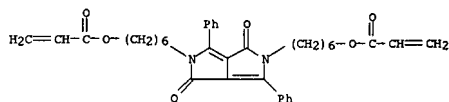
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9833866	A1	19980806	WO 1998-EP318	19980121
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9862120	A	19980825	AU 1998-62120	19980121
AU 730993	B2	20010322		
EP 968253	A1	20000105	EP 1998-904111	19980121
EP 968253	B1	20020213		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI				
JP 2001509832	T	20010724	JP 1998-532508	19980121
AT 213265	T	20020215	AT 1998-904111	19980121
ES 2164417	T	20020216	ES 1998-906882	19980121
PT 963426	T	20020228	PT 1998-906882	19980121
ES 2171289	T3	20020901	ES 1998-904111	19980121
ES 2227805	T3	20050401	ES 1998-907969	19980121
US 6103446	A	20000815	US 1998-17869	19980203
US 6146809	A	20001114	US 1998-17868	19980203
US 6274065	B1	20010814	US 1998-17871	19980203
US 2001016269	A1	20010823	US 1998-17872	19980203
US 6413655	B	20020702		
TW 509717	B	20021111	TW 1998-87101741	19980210
TW 518360	B	20030121	TW 1998-87101743	19980210
TW 526252	B	20030401	TW 1998-87101742	19980210
TW 220902	B	20040911	TW 1998-87101739	19980210
US 2003023097	A1	20030130	US 2002-135809	20020430
US 6562981	B2	20030513		

PRIORITY APPLN. INFO.:

EP	1997-810049	A	19970203
EP	1997-810050 <td>A <td>19970203</td> </td>	A <td>19970203</td>	19970203
EP	1997-810051 <td>A <td>19970203</td> </td>	A <td>19970203</td>	19970203
EP	1997-810054 <td>A <td>19970204</td> </td>	A <td>19970204</td>	19970204
EP	1997-810055 <td>A <td>19970204</td> </td>	A <td>19970204</td>	19970204
WO	1998-EP318	W	19980121
US	1998-17872	A3	19980203

AB Compns. comprising a solid organic support material to which, either directly or via a bridging group, are covalently linked fluorescent host chromophores and fluorescent guest chromophores are described in which the fluorescence emission spectrum of the host chromophore overlaps with the absorption spectrum of the guest chromophore and wherein the host chromophore is selected from the benzo[4,5]imidazo[2,1-a]isoindol-11-

L22 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

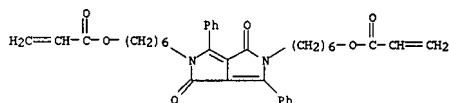


IT 220254-30-8P  
RL: IMF (Industrial manufacture); PREP (Preparation)  
(preparation of UV-resistant diketopyrrolopyrrole copolymers)

RN 220254-30-8 CAPLUS  
CN 2-Propenoic acid, (1,4-dioxo-3,6-diphenylpyrrolo[3,4-c]pyrrole-2,5(1H,4H)-diyl)di-6,1-hexanediyl ester, polymer with Laromer EA 81 (9C1) (CA INDEX NAME)

CH 1

CRN 194029-75-9  
CHF C36 H40 N2 O6



CH 2

CRN 109190-58-1  
CHF Unspecified  
CCI PMS, MAN

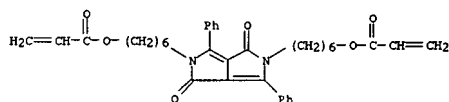
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

ones. Processes for prep. the compns. entail reacting chromophores attached to appropriate groups, optionally along with selected monomers, to produce the desired compds. Use of the compns. as fluorescent materials and in the prodn. of high relief patterns is also described.

IT 194029-75-9  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(fluorescent host-guest systems and their preparation and use)

RN 194029-75-9 CAPLUS  
CN 2-Propenoic acid, (1,4-dioxo-3,6-diphenylpyrrolo[3,4-c]pyrrole-2,5(1H,4H)-diyl)di-6,1-hexanediyl ester (9C1) (CA INDEX NAME)

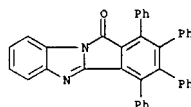


IT 211621-47-5P 211697-13-1P 211697-15-3P  
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
(fluorescent host-guest systems and their preparation and use)

RN 211621-47-5 CAPLUS  
CN 11H-isoindolo[2,1-a]benzimidazolecarboxylic acid, 11-oxo-1,2,3,4-tetraphenyl-, ethyl ester, polymer with (1,4-dioxo-3,6-diphenylpyrrolo[3,4-c]pyrrole-2,5(1H,4H)-diyl)di-6,1-hexanediyl di-2-propenoate (9C1) (CA INDEX NAME)

CH 1

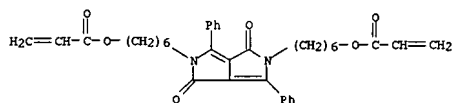
CRN 211621-46-4  
CHF C41 H28 N2 O3  
CCI IDS



CH 2

CRN 194029-75-9  
CHF C36 H40 N2 O6

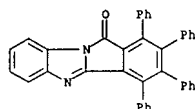




RN 211697-13-1 CAPLUS  
CN 11H-isoindolo[2,1-a]benzimidazolecarboxylic acid, 11-oxo-1,2,3,4-tetra-phenyl-, ethyl ester, polymer with (1,4-dioxo-3,6-diphenylpyrrolo[3,4-c]pyrrole-2,5(1H,4H)-diyl)di-6,1-hexanediyl di-2-propenoate and methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

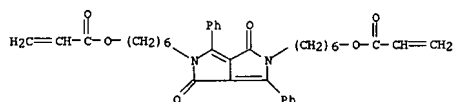
CM 1

CRN 211621-46-4  
CMF C41 H28 N2 O3  
CCI IDS



CM 2

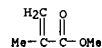
CRN 194029-75-9  
CMF C36 H40 N2 O6



CM 3

CRN 80-62-6  
CMF C5 H8 O2

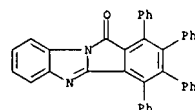
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



RN 211697-15-3 CAPLUS  
CN 11H-isoindolo[2,1-a]benzimidazolecarboxylic acid, 11-oxo-1,2,3,4-tetra-phenyl-, ethyl ester, polymer with (1,4-dioxo-3,6-diphenylpyrrolo[3,4-c]pyrrole-2,5(1H,4H)-diyl)di-6,1-hexanediyl di-2-propenoate and 1,2-ethanediyl bis(2-methyl-2-propenoate) (9CI) (CA INDEX NAME)

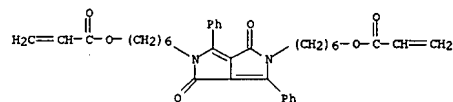
CM 1

CRN 211621-46-4  
CMF C41 H28 N2 O3  
CCI IDS



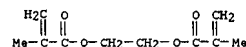
CM 2

CRN 194029-75-9  
CMF C36 H40 N2 O6



CM 3

CRN 97-90-5  
CMF C10 H14 O4

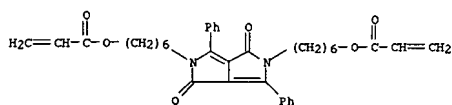


ACCESSION NUMBER: 1998:543128 CAPLUS  
DOCUMENT NUMBER: 129:181897  
TITLE: Fluorescent compositions and their use  
INVENTOR(S): Devlin, Brian Gerrard; Otani, Junji; Kunimoto, Kazuhiko; Deno, Takashi; Iqbal, Abul; Eldin, Sameer Hosam  
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.  
SOURCE: ECT Int. Appl., 95 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 6  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9833864	A1	19980806	WO 1998-EP316	19980121
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GU, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, HL, HR, NE, SN, TD, TG				
AU 9860959	A	19980825	AU 1998-60959	19980121
AU 737620	B2	20010823		
EP 963425	A1	19991215	EP 1998-905328	19980121
EP 963425	B1	20020424		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI				
JP 2001511200	T	20010807	JP 1998-532506	19980121
AT 216718	T	20020515	AT 1998-905328	19980121
PRIORITY APPLN. INFO.:				
			EP 1997-810049	A 19970203
			EP 1997-810050	A 19970203
			EP 1997-810051	A 19970203
			EP 1997-810054	A 19970204
			EP 1997-810055	A 19970204
			WO 1998-EP316	W 19980121
			US 1998-17870	A 19980203

AB Solid-state compns., especially fluorescent compns., comprising 21 host chromophore selected from the group consisting of a benzol[4,5]indazol[2,1-a]isoindol-11-ones and an effective amount of 21 guest chromophore, and optionally a polymer are described in which the emission spectrum of the host chromophore overlaps with the absorption spectrum of the guest chromophore, and in which the host chromophore is covalently linked to a polymer backbone (host polymer) and/or the guest chromophore is covalently linked to a polymer backbone (guest polymer). Methods for preparing the compns. entailing forming a mixture of the guest chromophore with a host polymer, the host chromophore with the guest polymer, or the host and guest polymers are also described. Use of the compns. as fluorescent materials is also described.

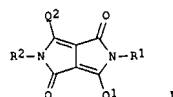
IT 194029-75-9  
RL: TEM (Technical or engineered material use); USES (Uses)  
(guest-host polymeric fluorescent compns. and their use)  
RN 194029-75-9 CAPLUS  
CN 2-Propenoic acid, (1,4-dioxo-3,6-diphenylpyrrolo[3,4-c]pyrrole-2,5(1H,4H)-diyl)di-6,1-hexanediyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1997:553164 CAPLUS  
 DOCUMENT NUMBER: 127:191922  
 TITLE: Polymerizable diketo pyrrolopyrroles, their preparation and (co)polymerization  
 INVENTOR(S): Eldin, Sameer Hosam; Iqbal, Abul  
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.  
 SOURCE: Eur. Pat. Appl., 29 pp.  
 DOCUMENT TYPE: CODEN: EPOXDW  
 LANGUAGE: Patent  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION: German

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 787731	A2	19970806	EP 1997-810031	19970122
EP 787731	A3	19970813		
EP 787731	B1	20020807		
R: CH, DE, FR, GB, IT, LI				
CA 2196137	A1	19970731	CA 1997-2196137	19970128
TW 407149	B	20001001	TW 1997-86100903	19970128
CN 1165823	A	19971126	CN 1997-102512	19970129
US 5847156	A	19981208	US 1997-789893	19970129
JP 09323992	A	19971216	JP 1997-16467	19970130
US 6048918	A	20000411	US 1998-146648	19980903
PRIORITY APPLN. INFO.:			CH 1996-227	A 19960130
			US 1997-789893	A3 19970129
OTHER SOURCE(S):			MARPAT 127:191922	
GI				

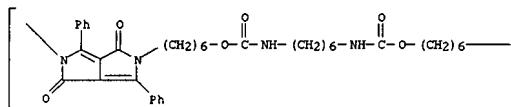


AB The polymerizable dyes, which can be incorporated in or grafted to polymers to be colored, have the structure I (Q1, Q2 = specified (un)substituted (hetero)aryl residues; R1 = C>3 polymerizable group; R2 = R1, C1-6 alkyl, C6H4R3; R3 = H, C1-6 alkyl). Thus, 1 (Q1 = Q2 = Ph, R1 = R2 = H) was condensed with 2 mol Cl(CH2)6OH, and the product was polymerized with hexamethylene diisocyanate to give an orange-red polyurethane.

IT 194029-77-1P 194295-81-3P  
 RL: IMF (Industrial manufacture); PREP (Preparation)  
 (preparation and polymerization of pyrrolopyrroledione dyes to colored polymers)

RN 194029-77-1 CAPLUS  
 CN Poly[(1,4-dioxo-3,6-diphenylpyrrolo[3,4-c]pyrrole-2,5(1H,4H)-diyl)-1,6-hexanediylloxycarbonylimino-1,6-hexanediylimino-1,6-hexanediyl] (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

RN 194295-81-3 CAPLUS  
 CN 2-Propenoic acid, (1,4-dioxo-3,6-diphenylpyrrolo[3,4-c]pyrrole-2,5(1H,4H)-diyl)di-6,1-hexanediyl ester, polymer with RenShape SL 5154 (9CI) (CA INDEX NAME)

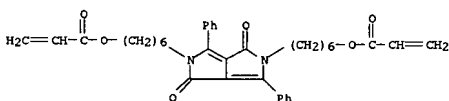
CH 1

CRN 194243-18-0  
 CMP Unspecified  
 CCI MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

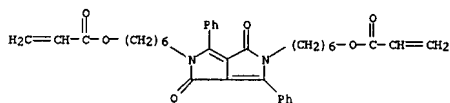
CH 2

CRN 194029-75-9  
 CMP C36 H40 N2 O6



IT 194029-75-9P  
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of polymerizable pyrrolopyrroledione dyes)

RN 194029-75-9 CAPLUS  
 CN 2-Propenoic acid, (1,4-dioxo-3,6-diphenylpyrrolo[3,4-c]pyrrole-2,5(1H,4H)-diyl)di-6,1-hexanediyl ester (9CI) (CA INDEX NAME)



=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

32.09

898.79

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-4.68

-4.68

STN INTERNATIONAL LOGOFF AT 12:19:40 ON 27 SEP 2007